

ABSTRACT OF THE DISCLOSURE

A data safeguarding system, method, and article for safeguarding an encrypted data-stream transmitting on a first channel from a first system to a second system. The data-stream can be intertwined with other data-streams. The data-stream is arranged in fixed length sequential blocks, each block including a header portion and a payload portion. The first system places a flag marking in the header portion indicating that the payload includes a tag having at least one identifier for selecting the decryption keys from the first system. The second system reads the flag, and if the flag indicates a tag portion, reads the tag portion. The second system transmits the identifier to the first system on a second channel. The first system reads the identifier, retrieves the keys, and transmits the decryption keys to the second system on the second channel. The second system receives the decryption keys and decrypts the data block using the decryption keys.

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